

Air Quality Program

Danny Nevarez



Air Quality Divisions/Sections

- Small Business Assistance
- Permitting
- Enforcement & Compliance
- Vehicle Pollution Management
- Monitoring
- Quality Assurance
- Control Strategies
- Finance

Business Alignment

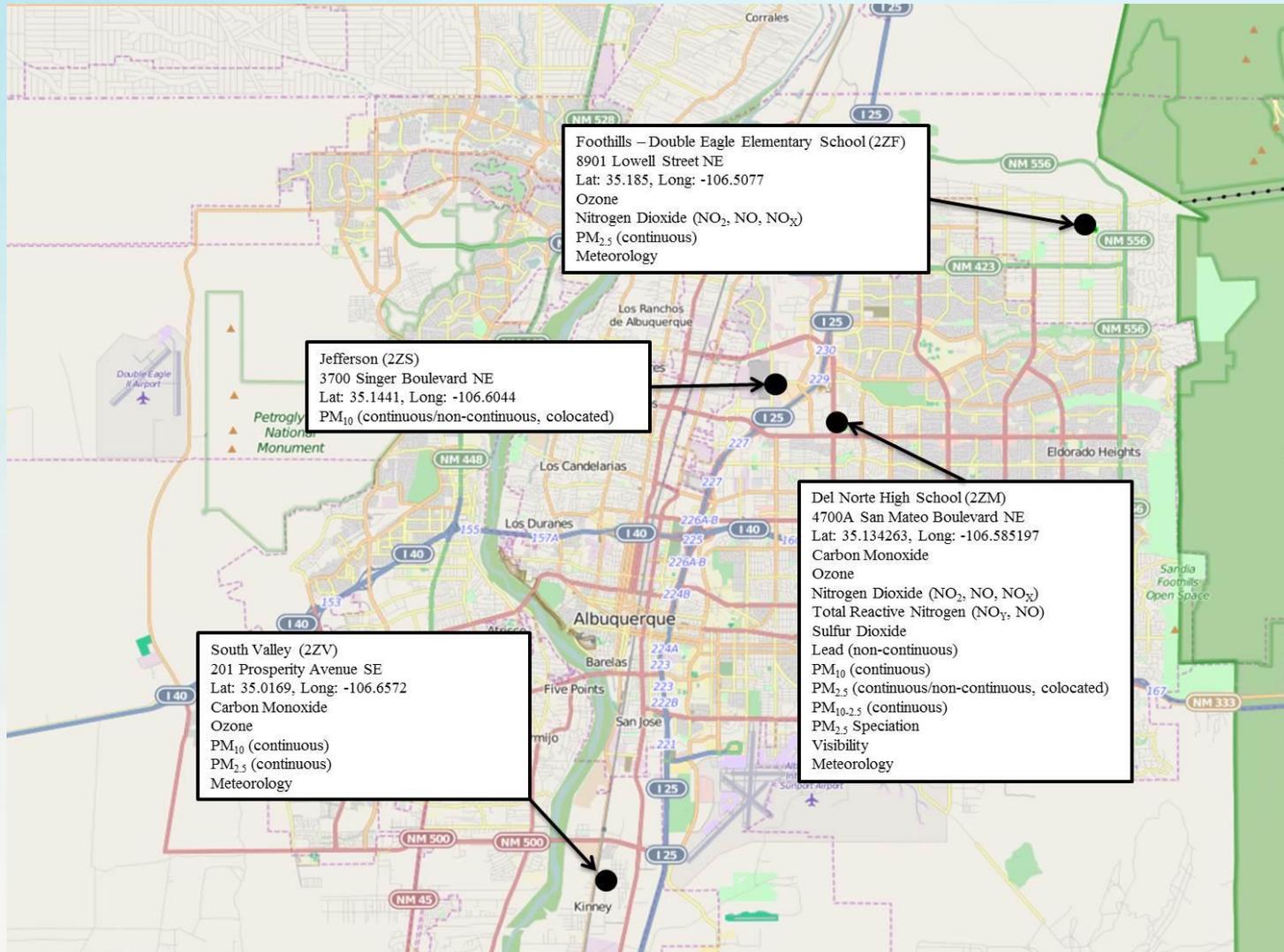
Align staff, technology and process with a commonly understood set of success indicators and measures.

- Proactive
- Efficiency
- Data Governance
- Transparency
- Business Cadence



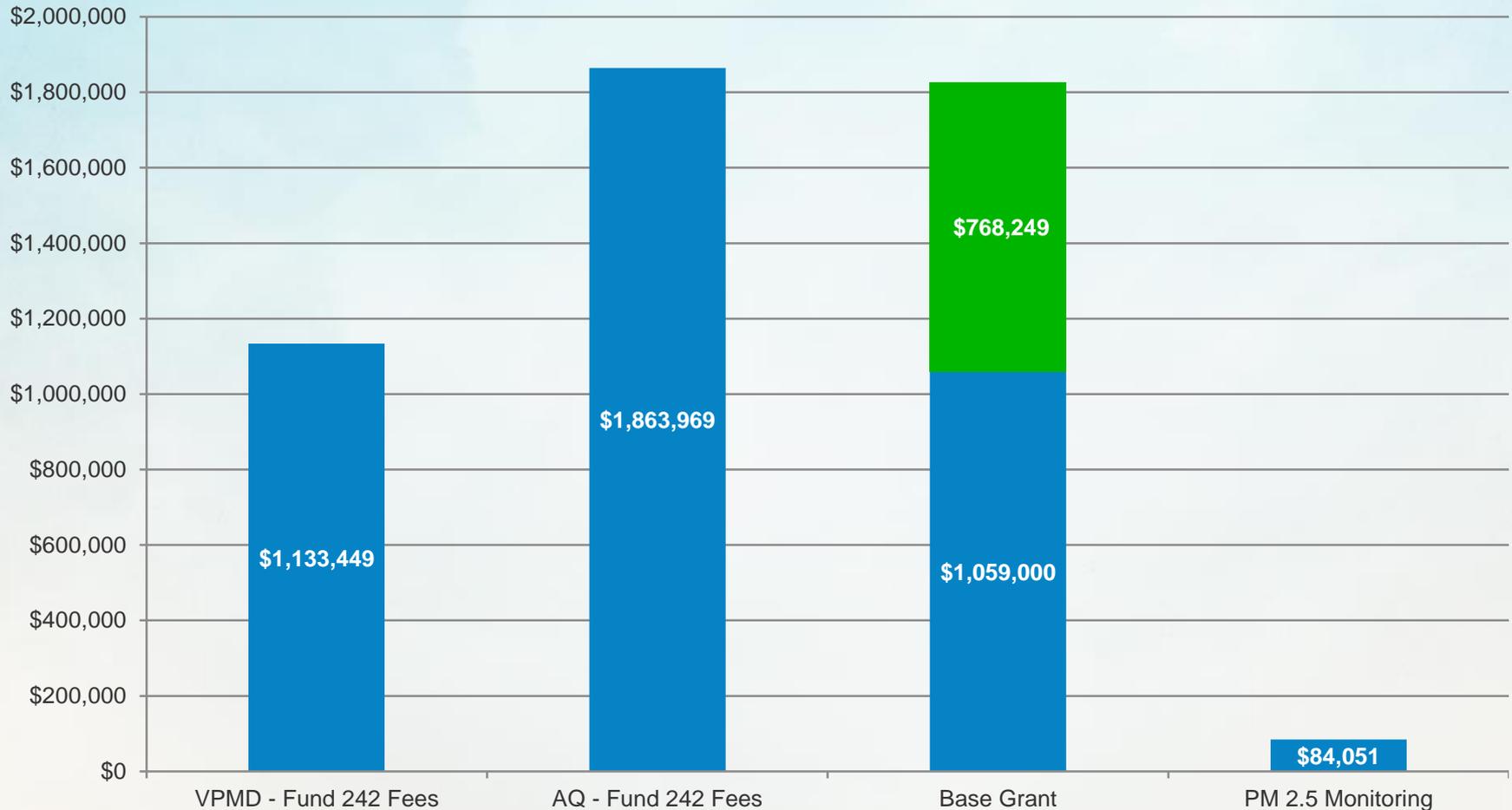
- Success indicators
- Business questions
- Trends
- Proactive initiatives
- Web analytics

Monitoring Air Quality Since 1958



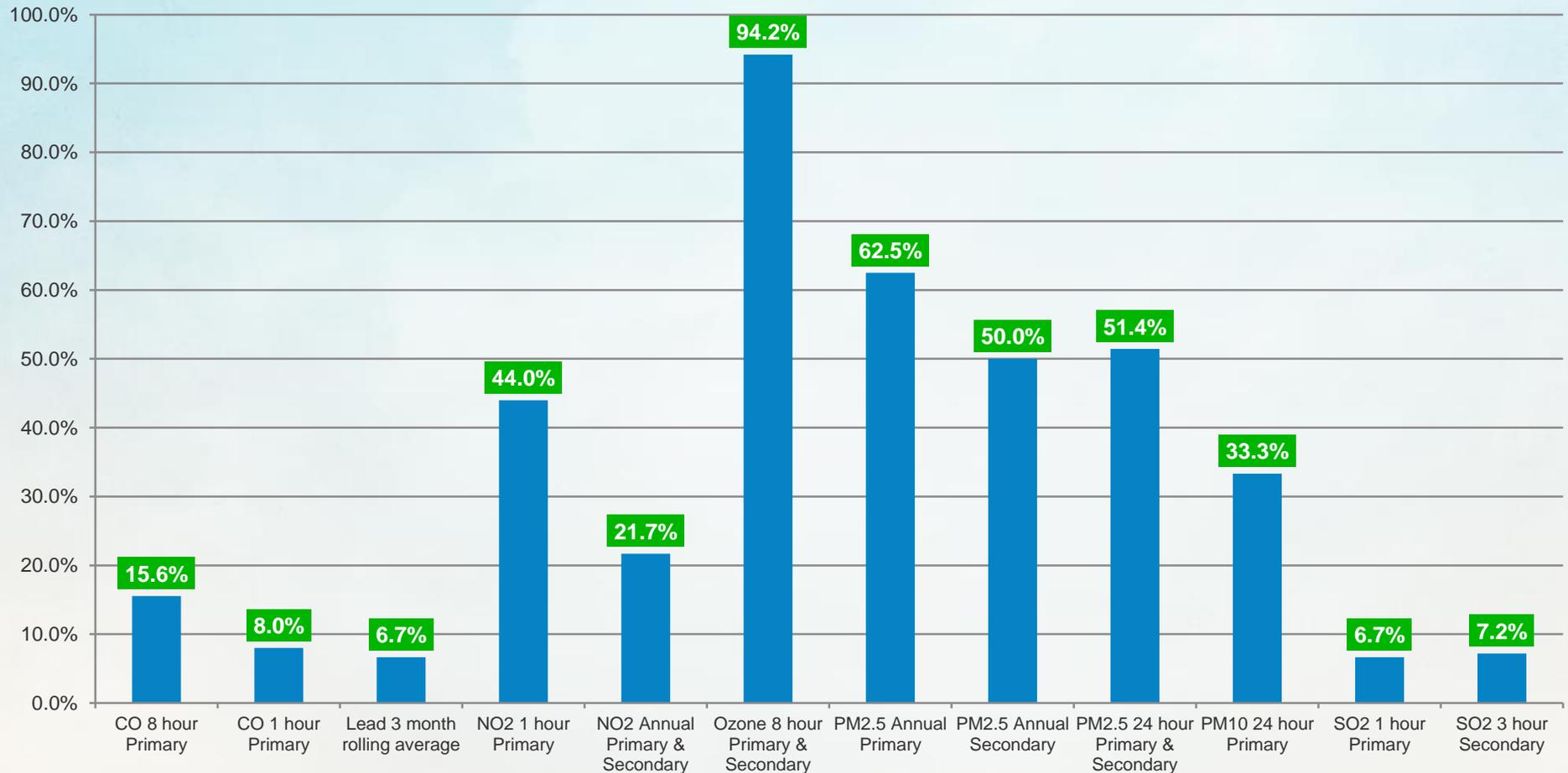
FY16 Special Revenue & Grant Funded

\$4,140,469

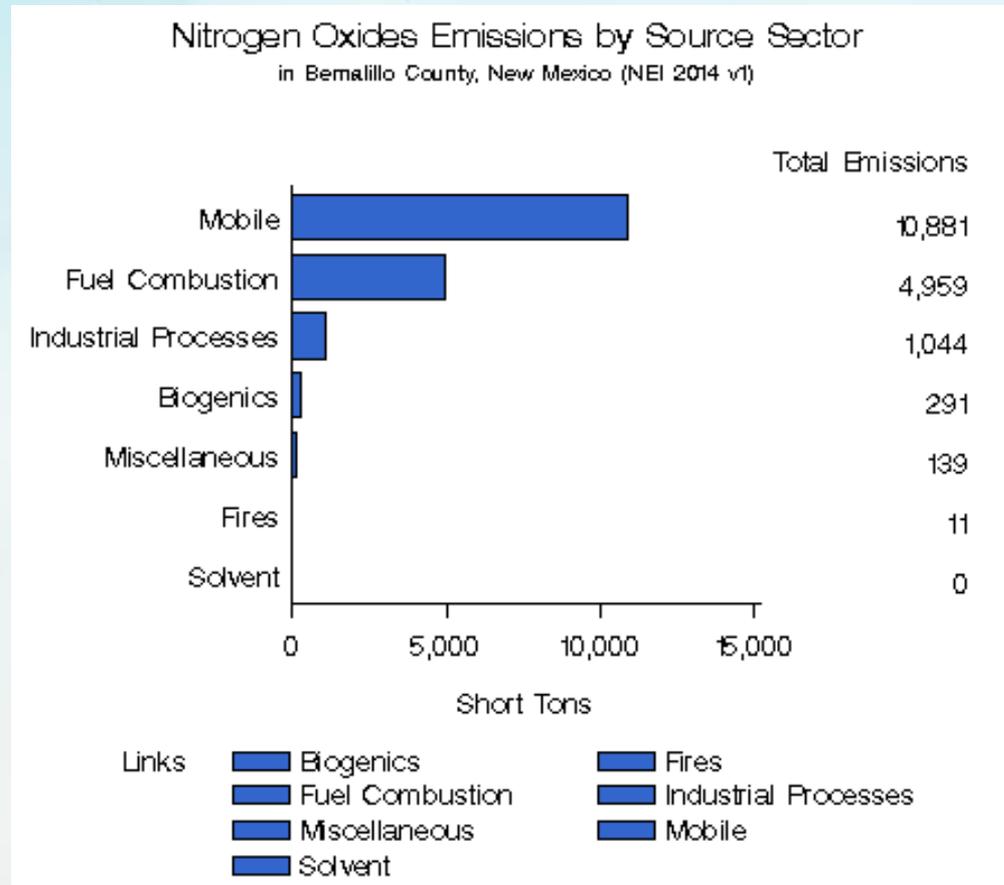


City of Albuquerque/Bernalillo County Criteria Pollutant Design Values as a Percentage of the National Ambient Air Quality Standards for Year 2015

Data from the EPA AQS Database using the AMP480, AMP440 and AMP450 Reports
and based on the NAAQS

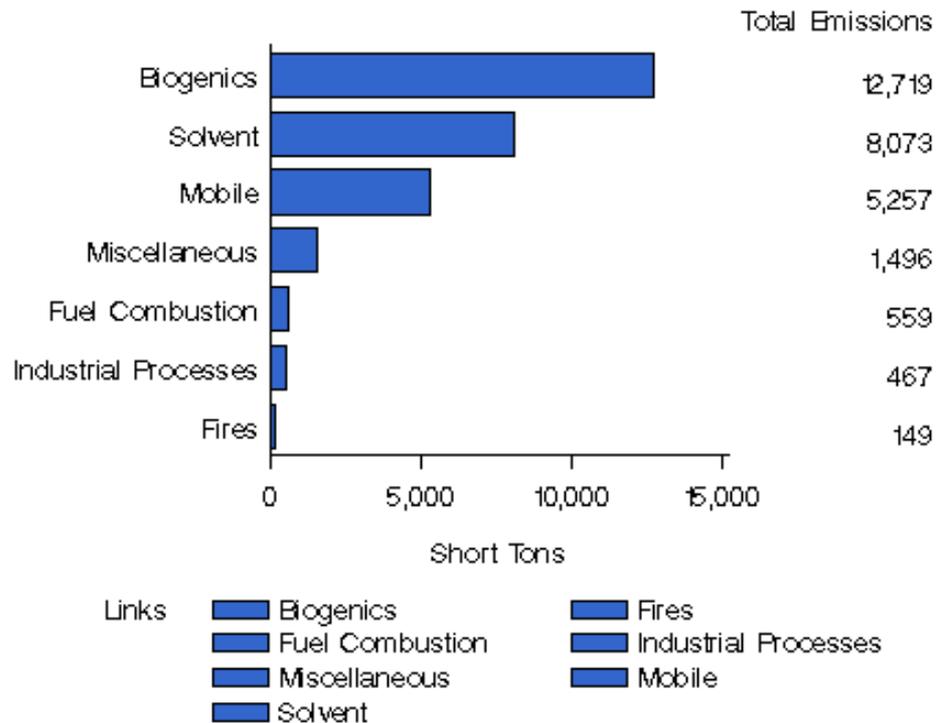


Ozone Precursor - NOx



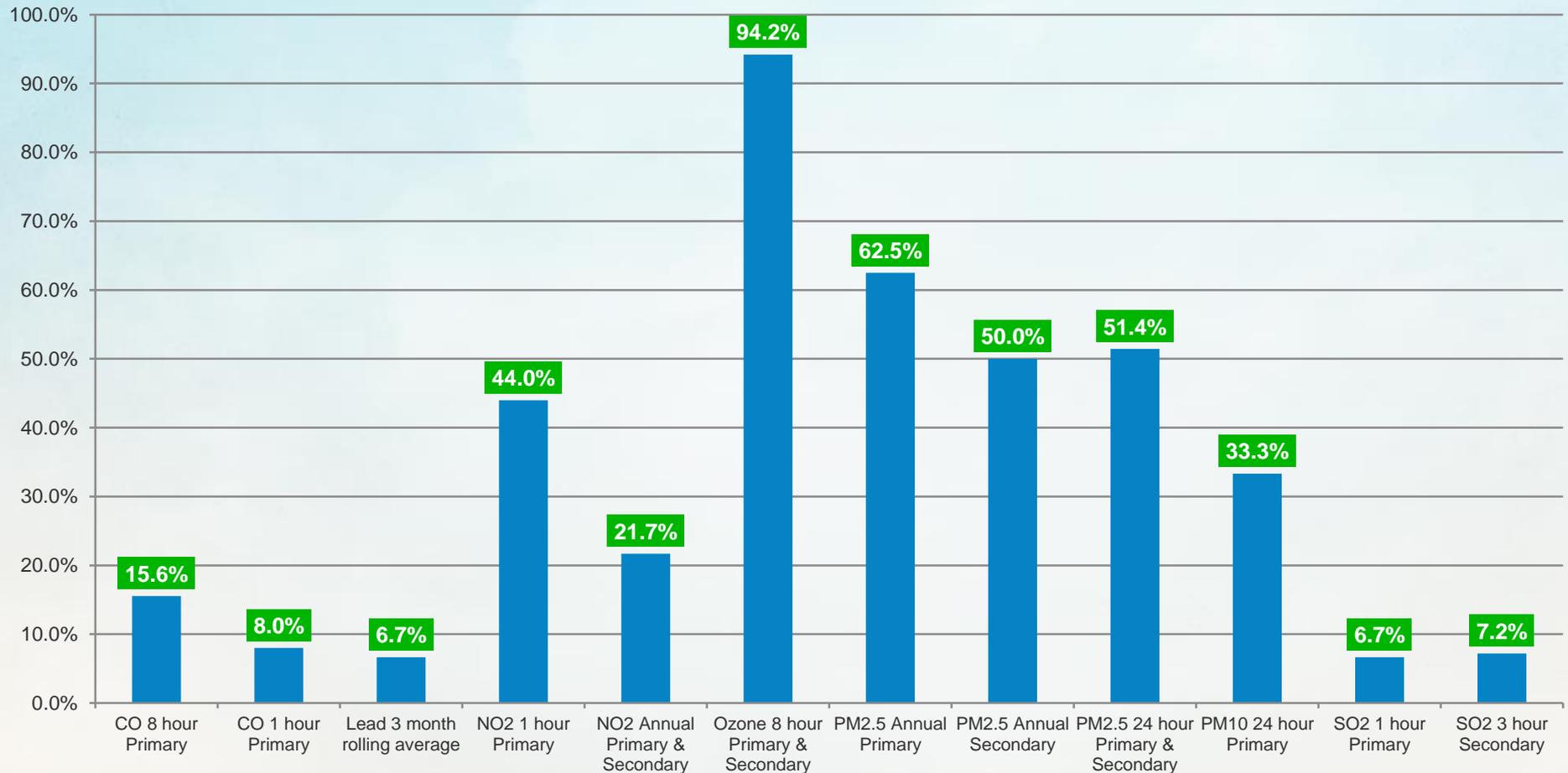
Ozone Precursor - VOC

Volatile Organic Compounds Emissions by Source Sector
in Bernalillo County, New Mexico (NEI 2014 v1)



City of Albuquerque/Bernalillo County Criteria Pollutant Design Values as a Percentage of the National Ambient Air Quality Standards for Year 2015

Data from the EPA AQS Database using the AMP480, AMP440 and AMP450 Reports
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Accomplishments

Control Strategies

Now

- Part 49 - Excess emissions
- Part 100 – Diesel testing repeal
- Ozone designation
- Regional haze report

Looking Forward

- Gas Stations and Backup Generators (**Carry Forward**)
- Continue to make internal process improvements to enhance and streamline the development of air quality regulations

Vehicle Pollution Management

Accomplishments

- Emissions Inventory went from 18% to over 90%
- Upgraded vehicle emissions testing analyzer network
- Streamlined and modernized the inspector training class

Looking Forward

- On-line paper sales and payments
- Reduction of clean scanning

Permitting

Accomplishments

- Continued automation of existing processes
- 44% to %100 of permits issued on-time

Looking Forward

- On-line applications (**carry forward**)
- Pending permits on our website
- More public outreach

Enforcement & Compliance

Accomplishments

- Move inspections to mobile inspection system

Looking Forward

- Working with Bernalillo County to pave the shoulders on Williams Ave, between Prosperity and Grape Ave,
- Wet sweep the roads
- Working with the County's Planning Department to include our Air Quality permitting process
- Posting of completed inspections on our website

Small Business Assistance

Now

- Small Business Assistance (SBA) is using a new data management reporting tool to track and measure the success of SBA in providing technical services for small businesses that are required to comply with air quality requirements

Looking Forward

- Reduce time it takes to get through the SBA process
- Increase compliance assistance activities
- Increase outreach to small businesses

Monitoring

Accomplishments

- Incorporated high particulate matter (PM) alert email system to notify staff of elevated dust and smoke levels at/near air monitoring stations (Hourly)
- Installation of web-cameras at all air monitoring stations and at City Hall to provide real time visualization of dust and smoke events

Looking Forward

- Adding new PM10 & PM2.5 monitoring equipment to South Valley and Jefferson Stations (Minute data)
- Evaluating mobile monitoring options
- Conducting particulate matter speciation

Community Engagement

- The community and the Air Quality Program have a sense of frustration about what can and cannot be done and we want to work together to mitigate that
- There is a gap between how we view ourselves and how we are viewed by the public
- Promote meaningful engagement in the air quality process

Public Outreach

“Add Air” Campaign

Add Air

- Facebook
- Twitter
- Billboards
- Schools and Senior Centers

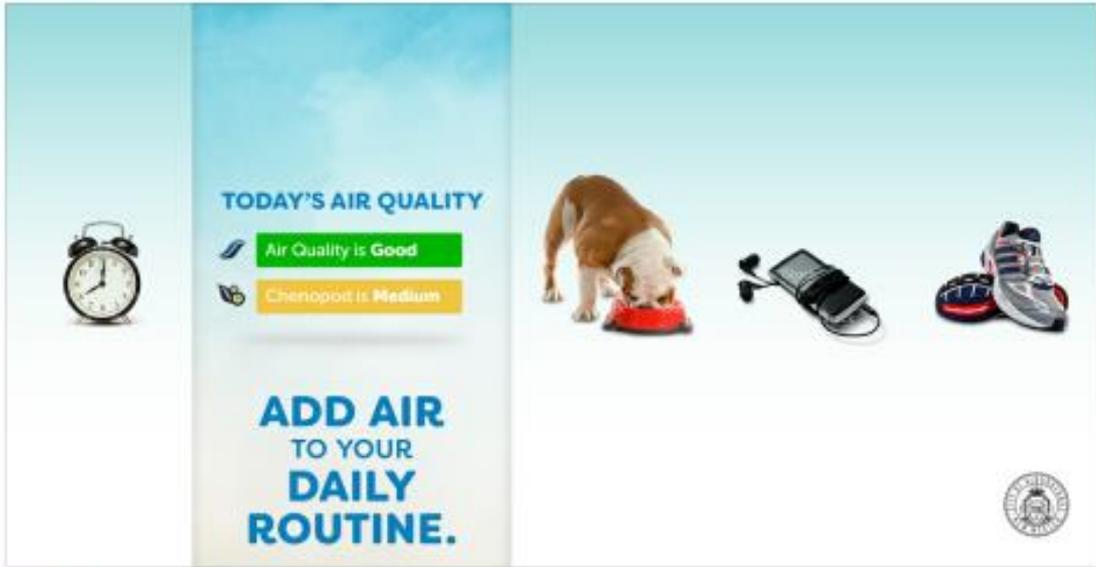
Air Quality Alerts

- Today’s Air Quality
- Health Alerts
- Permit Notification
- Regulatory Changes

Facebook Post

 **City of ABQ Environmental Health** Like Page
Sponsored

Add AIR to your daily routine, Albuquerque. Sign up for your daily Air Quality alerts now: <https://www.cabq.gov/airquality/> #AddAir #ABQAir #Albuquerque #ABQ



The advertisement features a light blue background. On the left is an alarm clock. In the center, under the heading 'TODAY'S AIR QUALITY', are two indicators: 'Air Quality is Good' in a green box and 'Chenopod is Medium' in a yellow box. To the right are images of a dog eating from a red bowl, a smartphone, and a pair of sneakers. At the bottom, the text reads 'ADD AIR TO YOUR DAILY ROUTINE.' and the City of Albuquerque logo is in the bottom right corner.

20 562 Comments 311 Shares

Like Comment Share

Electronic Billboards



Daily E-Mail Air Quality Update



What is the air quality today in Albuquerque?

<p>AIR QUALITY</p> <p>MODERATE</p> <p>The AQI focuses on health effects you may experience within a few hours or days after breathing polluted air.</p> <p>LEARN MORE</p>	<p>POLLEN COUNT</p> <p>CHENOPODIACEAE IS MEDIUM</p> <p>The beautiful trees and plants around Albuquerque can cause problems for people sensitive to the pollen they produce.</p> <p>LEARN MORE</p>	<p>OK TO BURN?</p> <p>YES, STOVE OR FIREPLACE ONLY</p> <p>Keep your family healthy and Albuquerque clean by watching for no-burn days.</p> <p>LEARN MORE</p>
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What is today's pollen count?

POLLEN COUNT EAST	POLLEN COUNT WEST
<ul style="list-style-type: none">Chenopodiaceae is MediumGrass is Low	<ul style="list-style-type: none">Chenopodiaceae is LowGrass is Low

Public Notice

SUBJECT: Air Quality Construction Permit Application #3300, Public Notice

Dear Neighborhood Association/Coalition Representatives,

Why did I receive this public notice?

You are a designated representative of a recognized neighborhood association or neighborhood coalition within one-half mile of the facility listed in an air quality permit application. The enclosed Public Notice is scheduled for publication in the Albuquerque Journal on December 13, 2016.

What is the Air Quality Permit application review process?

The City of Albuquerque, Environmental Health Department, Air Quality Program (Program) is responsible for the review and issuance of Air Quality Permits for any stationary source of air contaminants within Bernalillo County. The Program reviews each application and rules it either complete or incomplete. Complete applications go through a 30-day public comment period. The Program will hold a Public Information Hearing only if the Director determines there is significant public interest and a significant air quality issue is involved.

What do I need to know about this application?

Application	3300
Ruled Complete	November 10, 2016
Owner	University of New Mexico
Location	<u>Popejoy Hall</u> 1 University of New Mexico, Albuquerque, NM 87131
Summary	The application is to construct a 480 horsepower (hp), EPA Tier 3 emission certified, diesel-fired internal combustion engine coupled to a 300 kW emergency electrical generator. This generator will be replacing an older model emergency generator. The application seeks to restrict the unit to 200 hours per year of operation. The purpose of the unit is to provide emergency backup electrical power in the case of the unavoidable loss of commercial power.
Comment Period	Sunday, November 13, 2016 through Tuesday, December 13, 2016

PO Box 1293

Albuquerque

NM 87103

www.cabq.gov

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Now and Looking Forward

Questions?